

Product HAND DISHWASHING LIQUID ALDET  
 Revision date 27 May 2020  
 Revision 2



## Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

### Section 1: Identification of the substance/preparation and of the company/undertaking

#### 1.1 Product identifier

Product name HAND DISHWASHING LIQUID ALDET  
 Product no. ALDET  
 Synonyms, Trade names No information available.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Cleaning agent.  
 For professional use only.  
 Uses advised against No uses advised against are identified.

#### 1.3 Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd  
 11 Comber Road  
 Belfast  
 BT8 8AN  
 United Kingdom  
 Tel: 028 90814777  
 sales@kitchenmaster-ni.com  
 Contact person

#### 1.4 Emergency telephone number

Emergency telephone Emergency Telephone Number: 028 9081 4777 08:30 - 17:00 Monday to Thursday 08:30 - 16:30 Friday

### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification (EC 1272/2008)  
 Physical and chemical hazards Not classified  
 Human health Eye Irrit.2A - H319  
 Environment Aquatic Chronic 3 - H412

#### 2.2 Label elements

Contains Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)  
 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.  
 Alcohols, C12-13, branched and linear, ethoxylated

Label in accordance with (EC) no.  
 1272/2008



Signal word Warning

Hazard statements H319 Causes serious eye irritation.  
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements Prevention  
 P264 Wash exposed skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/eye protection/face protection.

#### Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

#### Disposal

P501 Dispose of contents/ container to a licensed hazardous waste disposal facility in accordance with all applicable regulations.

## 2.3 Other hazards

None known.

## Section 3: Composition/identification of ingredients

### 3.1 Substance

Not applicable.

### 3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)	CAS-No.: 68155-07-7 EC No.: 931-329-6 REACH Reg No.: 01-2119490100-53-0000	Aquatic Chronic 2 - H411, Skin Irrit.2 - H315, Eye Dam. 1 - H318	1-5%
Benzenesulfonic acid, 4-C10-13--ec-alkyl derivs.	CAS-No.: 85536-14-7 EC No.: 287-494-3 REACH Reg No.: 01-2119490234-40-XXXX	Aquatic Chronic 3 - H412, Acute Tox 4 - H302, Skin Corr. 1C - H314, Eye Dam. 1 - H318	1-5%
Alcohols, C12-13, branched and linear, ethoxylated	CAS-No.: 160901-19-9 EC No.: 500-457-0	Eye Dam. 1 - H318, Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412	1-5%
2-aminoethanol ethanolamine	CAS-No.: 141-43-5 EC No.: 205-483-3	Acute Tox 4 - H302, Acute Tox 4 - H312, Skin Corr. 1B - H314, Acute Tox 4 - H332	1-5%

The full text for all hazard statements are displayed in section 16.

#### Composition comments

The data shown are in accordance with the latest EC Directives.

## Section 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

#### Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. If breathing is difficult, provide oxygen. If not breathing, give artificial respiration and get medical attention.

#### Ingestion

Do not induce vomiting. Thoroughly rinse the mouth with water. If vomiting occurs, keep head low so that stomach content doesn't enter the lungs. Get medical attention if discomfort occurs. Never give anything by mouth to an unconscious person.

#### Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with water. Get medical attention if irritation develops or persists.

#### Eye contact

Avoid contaminating unaffected eye. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Remove contact lenses if present and easy to do so. Get prompt medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

#### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

#### Inhalation

No specific symptoms noted.

#### Ingestion

Exposure to liquid product may cause irritation to mouth, throat and esophagus.

#### Skin contact

Prolonged contact with skin may cause irritation.

#### Eye contact

Causes serious eye irritation.

**4.3 Indication of any immediate medical attention and special treatment needed**

Notes to the physician	Treat symptomatically.
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**Section 5: Fire-fighting measures****5.1 Extinguishing media**

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. This product is not flammable.
Unsuitable extinguishing media	High volume water jet.

**5.2 Special hazards arising from the substance or mixture**

Hazardous combustion products	When heated, vapours/gases hazardous to health may be formed.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	No specific hazards are identified for the product.

**5.3 Advice for firefighters**

Special fire fighting procedures	If possible, fight fire from protected position. Ventilate closed spaces before entering them. Keep up-wind to avoid fumes. Avoid breathing fire vapours. Containers close to fire should be removed immediately or cooled with water if safe to do so.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Do not touch or walk through spilled material.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

**6.2 Environmental precautions**

Environmental precautions	Do not discharge onto the ground or into water courses.
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**6.3 Methods and material for containment and cleaning up**

Spill clean up methods	Stop leak if possible without risk. Absorb spillage with non-combustible, absorbent material - sand. In case of a large scale of spill, dyke area with sand to stop the spill spreading. Flush with plenty of water to clean spillage area. Floors may become slippery, avoid falls. Place waste material into suitable labelled sealed containers for disposal.
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**6.4 Reference to other sections**

Reference to other sections	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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**Section 7: Handling and storage****7.1 Precautions for safe handling**

Handling	Use proper personal protection when handling (refer to Section 8). Avoid spilling, skin and eye contact. Avoid inhalation of vapours. Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Do not mix with other chemicals. When using, do not eat, drink or smoke. Wash thoroughly after handling.
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**7.2 Conditions for safe storage, including any incompatibilities**

Storage precautions	Keep upright, locked up and out of reach of children. Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.
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Storage class Unspecified storage.

### 7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.  
Usage description Use only according to directions. Replace and tighten cap after use.

## Section 8: Exposure controls/Personal protection

### 8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
2-aminoethanol ethanolamine	OEL	1 ppm	2.5 mg/m <sup>3</sup>	3 ppm	7.6 mg/m <sup>3</sup>	Sk, IOELV
2-aminoethanol ethanolamine	WEL	1 ppm	2,5 mg/m <sup>3</sup>	3 ppm	7,6 mg/m <sup>3</sup>	Sk

Ingredient comments WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits.  
Ireland, Occupational Exposure Limits 2020.

### 8.2 Exposure Controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

Use respiratory protection as specified by an industrial hygienist or other qualified professional if concentrations exceed the limits listed in Section 8. Suggested PPE: Respirator with a vapour filter (EN 141). ABEK (EN 14387). Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Hand protection

Where hand contact with the product may occur use gloves approved to relevant standards (e.g. Europe: EN374.) EU Directive 89/686/EEC. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace.

Gloves must be inspected prior to use. Suggested material: Nitrile. Minimum layer thickness: 0.7 mm. Minimum breakthrough time / gloves: 480 min. Consult manufacturer for specific advice.

Eye protection

Where potential for splashing exists, use safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Other protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist. The selected clothing must satisfy the European norm standard EN 943.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.

Process conditions

Ensure that eye flushing systems and safety showers are located close by in the work place.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance Liquid.  
Colour Green.  
Odour No information available.

Odour threshold - lower No information available as testing has not been completed.

Odour threshold - upper No information available as testing has not been completed.

pH-Value, Conc. Solution 6 - 8

pH-Value, Diluted solution Not applicable as the product is a concentrated solution.

Melting point	No information available as testing has not been completed.
Initial boiling point and boiling range	No information available as testing has not been completed.
Flash point	The product does not contain any flammable ingredients.
Evaporation rate	No information available as testing has not been completed.
Flammability state	The product is not flammable.
Flammability limit - lower(%)	Does not apply, the product is not flammable.
Flammability limit - upper(%)	Does not apply, the product is not flammable.
Vapour pressure	No information available as testing has not been completed.
Vapour density (air=1)	No information available as testing has not been completed.
Relative density	1.002g/cm <sup>3</sup> @ 20.00 °C
Bulk density	Not applicable as the product is a liquid.
Solubility	Soluble in water.
Decomposition temperature	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.
Auto ignition temperature (°C)	Does not apply, the product is not flammable.
Viscosity	No information available as testing has not been completed.
Explosive properties	Not classified as explosive.
Oxidising properties	The product does not meet the criteria to be classified as oxidising.

## 9.2 Other information

Molecular weight	Not applicable as the product is a mixture.
Volatile organic compound	No information available as testing has not been completed.
Other information	None noted.

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## Section 10: Stability and reactivity

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### 10.1 Reactivity

Reactivity	Reaction with Oxidisers.
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### 10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3 Possibility of hazardous reactions

Hazardous reactions	For information on hazardous reaction see section 10.1.
Hazardous polymerisation	Will not polymerise.
Polymerisation description	Not applicable.

### 10.4 Conditions to Avoid

Conditions to avoid	Avoid storing in large quantities or for long periods of time. Heat, sparks, open flames, temperature extremes and direct sunlight.
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**10.5 Incompatible materials**

Materials to avoid Do not mix with other chemicals unless listed on directions. Avoid oxidising agents.

**10.6 Hazardous decomposition products**

Hazardous decomposition products During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

**Section 11: Toxicological information****11.1 Information on toxicological effects**

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD <sub>50</sub> )	No information available as testing has not been completed.
Acute toxicity (Dermal LD <sub>50</sub> )	No information available as testing has not been completed.
Acute toxicity (Inhalation LD <sub>50</sub> )	No information available as testing has not been completed.
Serious eye damage/irritation	Causes serious eye irritation.
Skin corrosion/irritation	The product is not classified as a skin corrosion/irritation hazard.
Respiratory sensitisation	The product is not classified as a respiratory hazard.
Skin sensitisation	The product is not classified as a skin sensitisation hazard.
Germ cell mutagenicity	The product is not classified as a mutagen.
Carcinogenicity	The product is not classified as a carcinogen hazard.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	The product is not classified as a single exposure specific target organ toxin.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	The product is not classified as a repeat exposure specific target organ toxin.
Inhalation	No specific symptoms noted.
Ingestion	Exposure to liquid product may cause irritation to mouth, throat and esophagus.
Skin contact	Prolonged contact with skin may cause irritation.
Eye contact	Causes serious eye irritation.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	Eyes, skin, ingestion or inhalation.
Target organs	Eyes, skin, digestive system, respiratory system.
Aspiration hazards:	The product is not classified as an aspiration hazard.
Reproductive toxicity:	The product is not classified as a reproductive hazard.

Name	LD <sub>50</sub> oral	LD <sub>50</sub> dermal	LD <sub>50</sub> inhalation
sodium chloride	3350.00mg/kg Rat	>10000.00mg/kg Rabbit	>42.00mg/l (vapours) Rat 1 Hours

**Section 12: Ecological information****12.1 Toxicity**

Acute toxicity - Fish	No information available as testing has not been completed.
Acute toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Acute toxicity - Aquatic plants	No information available as testing has not been completed.
Acute toxicity - Microorganisms	No information available as testing has not been completed.
Chronic toxicity - Fish	No information available as testing has not been completed.
Chronic toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Chronic toxicity - Aquatic plants	No information available as testing has not been completed.
Chronic toxicity - Microorganisms	No information available as testing has not been completed.
Ecotoxicity	Harmful to aquatic life with long lasting effects.
Eco toxicological information	The product contains a substance which is harmful to aquatic organisms.

**12.2 Persistence and degradability**

Degradability	The degradability of the product has not been stated.
Biological oxygen demand	No information available as testing has not been completed.
Chemical oxygen demand	No information available as testing has not been completed.

**12.3 Bioaccumulative potential**

Bioaccumulative potential	No data available on bioaccumulation.
Bioaccumulation factor	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.

**12.4 Mobility in soil**

Mobility	Soluble in water.
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**12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

**12.6 Other adverse effects**

Other adverse effects	None known.
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Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
sodium chloride	LC50 96 Hours 5840.00mg/l Lepomis macrochirus (Bluegill)	LC50 48 Hours 4136.00mg/l Daphnia magna	

**Section 13: Disposal considerations**

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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**13.1 Waste treatment methods**

Disposal methods	Dispose of waste and residues in accordance with local authority requirements.
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**Section 14: Transport information****14.1 UN number**

UN no. (ADR)	Not applicable.
UN no. (IMDG)	Not applicable.
UN no. (IATA)	Not applicable.

**14.2 UN proper shipping name**

ADR proper shipping name	Not applicable.
IMDG proper shipping name	Not applicable.
IATA proper shipping name	Not applicable.

**14.3 Transport hazard class(es)**

ADR class	Not applicable.
IMDG class	Not applicable.
IATA class	Not applicable.
Transport labels	Not applicable

**14.4 Packing group**

ADR/RID/ADN packing group	Not applicable.
IMDG packing group	Not applicable.
IATA packing group	Not applicable.

**14.5 Environmental hazards**

ADR	No
IMDG	No
IATA	No

**14.6 Special precautions for user**

EMS	Not applicable.
Emergency action code	Not applicable.
Hazard no. (ADR)	Not applicable.
Tunnel restriction code	Not applicable.

**14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code****Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
Approved code of practice	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)  Workplace Exposure Limits Guidance Note EH40/2005.
Chemical safety assessment	No chemical safety assessment has been carried out.

**Section 16: Other information**

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a second issue. [1]Information updated. [2]Information updated. [3]Information updated. [4]Information updated. [8]Information updated. [9]Information updated. [11]Information updated. [12]Information updated. [15]Information updated.
Revision date	27 May 2020
Revision	2
Safety data sheet status	Approved.

**Hazard statements in full**

H315	Causes skin irritation.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H412	Harmful to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H319	Causes serious eye irritation.

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.